

ABSTRACT OF THE DISCLOSURE**MONITORING THREAD USAGE TO DYNAMICALLY CONTROL A THREAD
POOL**

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A method, system, and program for monitoring thread usage to dynamically control a thread pool are provided. An application running on the server system invokes a listener thread on a listener socket for receiving client requests at the server system and passing the client requests to one of multiple threads waiting in a thread pool. Additionally, the application sends
10 an ioctl call in blocking mode on the listener thread. A TCP layer within the server system detects the listener thread in blocking mode and monitors a thread count of at least one of a number of incoming requests waiting to be processed and a number of said plurality of threads remaining idle in the thread pool over a sample period. Once the TCP layer detects a thread usage event, the ioctl call is returned indicating the thread usage event with the thread count,
15 such that a number of threads in the thread pool may be dynamically adjusted to handle the thread count.